

**ABSTRACT**

Methods and systems for enabling arbitrary components to transfer data without having a priori knowledge of each other. The data transfer system includes a set of arbitrary components associated with one or more universal data transfer interfaces. The one or more universal data transfer interfaces comprise a data source interface and a data sink interface. The universal interfaces can be provided to and performed by each other to enable the components to transfer data between each other despite utilizing different communication protocols or understanding different data types. Further, the components may directly request and directly receive data from other components or may initiate transmitting data directly to other components. Moreover, a component may initiate a data transfer session between one or more other components to enable the components to transfer data between each other.

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